

CLAIMS

1) Vehicular antenna (1) comprising:

- at least one satellite signal amplifier and/or receiver circuit (2) assembled on a board (6) provided with at least one earth plane (6a);
- 5 - an antenna base (3) for the support of said board (6), applicable to the structure of a vehicle (A);
- connection means (7) suitable for mechanically fixing said board (6) to said antenna base (3) and for achieving electricity continuity between said antenna base (3) and said at least one earth plane (6a) of said board (6);
- 10 - a coaxial cable (8) that connects said satellite signal amplifier and/or receiver circuit (2) to a receiving apparatus installed in said vehicle (A),
characterised in that it comprises electro-conductive elastic means (13) interposed between said antenna base (3) and said board (6), suited to constitute a barrier to prevent the interference of the telephone communication
15 signal with the satellite communication signal and to achieve electricity continuity between said antenna base (3) and the metallic braiding (8b) of said coaxial cable (8) when said connection means (7) fix said board (6) to said antenna base (3).

2) Vehicular antenna (1) according to claim 1), **characterised in**
20 **that** it also comprises a monopole (12) for receiving/transmitting telephone signals, provided with a respective coaxial cable (12a) for the connection to a telephone apparatus installed in said vehicle (A).

3) Vehicular antenna (1) according to claim 1) or 2), **characterised in that** said electro-conductive elastic means (13) are positioned into a
25 housing (10) obtained in an annular edge (9) projecting from said antenna base (3) on which said board (6) rests.

4) Vehicular antenna (1) according to claims from 1) to 3), **characterised in that** said electro-conductive means (13) consist of an electro-conductive shaped foil (14), in which a first contact surface (15) with
30 said antenna base (3) and a second contact surface (16) with said metallic braiding (8b) are defined, said surfaces (15, 16) being concurrent and forming a dihedral angle (17) with transversal V-shaped profile.

5) Vehicular antenna (1) according to claim 4), **characterised in that** said electro-conductive foil (14) is metallic.

35 6) Vehicular antenna (1) according to claim 3), **characterised in**

that said electro-conductive elastic means (13) are made of elastomer loaded with conductive elements.

7) Vehicular antenna (1) according to claim 4), **characterised in that** said first contact surface (15) is provided with lateral indentations (18, 19) that receive said projecting annular edge (9) when said electro-conductive shaped foil (14) is inserted into said housing (10).

8) Vehicular antenna (1) according to claim 7), **characterised in that** at the end (18a, 19a) of each one of said lateral indentations 18, 19, an element (18b, 19b) projects from said first contact surface (15).

9) Vehicular antenna (1) according to claim 4), **characterised in that** said contact surfaces (15, 16) are plane surfaces.

10) Vehicular antenna (1) according to claim 1) or 2), **characterised in that** said connection means are rivets (7).

11) Vehicular antenna (1) according to claim 1) or 2), **characterised in that** said connection means are screws.

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